

STATEMENT OF WORK
FUEL SYSTEMS ENGINEERING SERVICES
AT VARIOUS LOCATIONS, WORLDWIDE

1.0 GENERAL

This Statement of Work describes the contract requirements for engineering services for fuel systems at various locations worldwide. Services to be ordered under this contract may include, but shall not be limited to the following areas:

a. Inspecting, installing, maintaining, repairing, modifying, and upgrade ocean, inter-terminal, and intra-terminal Petroleum, Oil, and Lubricants (POL) pipelines and related facilities throughout the world. This support may be required in the form of project management, economic impact studies or analysis, scheduling, feasibility studies, engineering analysis, facility design, preparing project plans and specifications, geotechnical and bathymetric surveys, underwater inspections, failure analysis, surveying, internal in-line inspection, coating and cathodic protection surveys and analysis, fabricating and installing project components, repairing and rehabilitating of pipelines and supporting structures, personnel and equipment, project logistical support, field inspecting, quality control, preparing project technical reports and drawings, preparing required permit documentation, updating and maintaining a Geographic Information Technology computerized system, and preparing project cost and progress reports.

b. The Contractor shall be able to provide sufficient personnel, facilities, and equipment at the time of contract award to meet the requirements of this contract. Technical competence of the Contractor in POL pipeline internal and external inspections, repair, modification, and upgrade project executive, cathodic protection system analysis and repair, and pipeline operations is critically important.

c. The Contractor may be required to respond within 24 hours to a task order requiring service personnel (i.e. craftsmen, technicians) or within seven (7) days to task order involving facilities and equipment.

d. The above listing of services is not inclusive of all engineering services, but is intended to show the range of contract requirement. Specific services shall be delineated within individual task orders.

e. The contractor shall have the capability to prepare or modify documents and drawings using software that is compatible with the following: Most recent and all previous versions of AUTOCAD, MICROSOFT WORD, MICROSOFT EXCEL, MICROSOFT ACCESS, MICROSOFT POWERPOINT, MICROSOFT PROJECT, and Database, CAD, and Word processing documents related to INTERGRAPH stations.

2.0 REQUIREMENTS

2.1 CONTRACTOR REQUIREMENTS

2.1.1 The contractor shall provide specified services of the type described in section 2.0 in this Statement of Work, and individual task orders issued hereunder. Performance shall not commence without the written issuance of a task order, as authorized by the Ordering Officer.

2.1.2 The Contractor shall provide all labor, equipment and facilities as required to perform the work as described in the individual task orders. Expected requirements of this contract shall include, but shall not be limited to, the following typical project requirements:

2.1.3 Engineering studies involving pipeline systems, including inspection on-land and underwater POL pipelines and fuel piers, gathering data, identifying significant issues, developing the appropriate methods for their internal and external inspection, identifying required retrofits, and preparing procedures for the installation of requisite pipeline components such as valves, pumps, flanges, tow access, spools, valve pits, and other retrofits.

2.1.4 Inspection and engineering assessments of piers and other pipeline supporting structures.

- 2.1.5 Preparation of cost estimates, life cycle cost analyses, economic analyses, and construction and installation schedules.
- 2.1.6 Preparation of environmental studies in support of permit applications to federal, state, and local agencies.
- 2.1.7 Engineering studies involving appropriate materials for the environmental, including consideration of corrosion, fatigue, and geotechnical phenomenon.
- 2.1.8 Inspection, engineering assessments and installation of leak detection and cathodic protection systems.
- 2.1.9 Preparation of maintenance plans and development of shop drawings.
- 2.1.10 Execution of repairs, upgrades, retrofits, and modification of POL pipelines, pipeline components, and fuel piers and other supporting structures.
- 2.1.11 Performance of pressure tests, pigging operations, and other POL pipeline systems, fuel piers, documentation, processes, and procedures.
- 2.1.12 Performance of engineering and construction quality assurance of pipeline systems, fuel piers, documentation, processes, and procedures.
- 2.1.13 Performance of updating and maintaining a Geographic Information Technology computerized system.
- 2.1.14 Oran and written presentations of the above tasks.
- 2.1.15 Provide as required, progress reports, financial reports, technical reports, drawings, and other plans, manuals, or documentation of a nature and frequency as specified by the contract and individual task orders.

3.0 REQUIREMENTS

3.1 GOVERNMENT REQUIREMENTS

- 3.1.1 Provide definitive requirements for work as specified by individual task orders.
- 3.1.2 Provide technical clarification of task order requirements.
- 3.1.3 Provide access to Government facilities, personnel, documents, and publications considered essential to the Contractor's effort under this contract.
- 3.1.4 Conduct in-progress reviews either at the Contractor's facility or at the government facilities as necessary to monitor the Contractor's performance and provide comments and recommendations for the Contractor's use in finalizing services and deliverables.

4.0 PLACE OF PERFORMANCE

Contractor shall travel to various worldwide Government activities and other locations as required by individual task orders to perform project planning, design, analysis, fabrication, inspection, construction, maintenance and repair of POL pipeline projects. Travel will include, but not be limited, to selected project sites worldwide. Travel to project sites may be required as part of several tasks anticipated during the period of this contract. Program reviews may be held in Washington DC; Alexandria, Virginia; Port Hueneme, California, or at other locations in the United States. The Contractor may be required to attend program reviews as stipulated in individual task orders.

5.0 SCHEDULE

Delivery schedules will be defined under individual task orders, issued hereunder.

6.0 DELIVERABLES

Contract Data Requirements List, DD Form 1423, may be required upon the issuance of individual task orders. When required, specifications for the DD Form 1423 will be addressed in the Statement of Work for individual task orders.